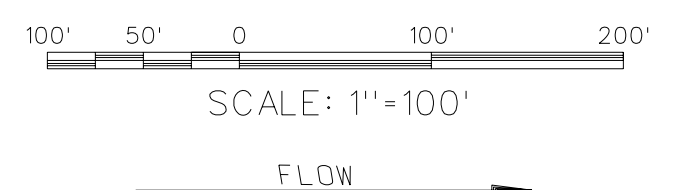


NOTES

1. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.
2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1955 (IGLD 55). LOW WATER DATUM ZERO IS 599.6 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT C. REISS COAL DOCK. DEPTHS ARE MEASURED USING A RESON 8125 MULTIBEAM SONAR.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON MAY 16, 2007 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
4. THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION AND CANNOT BE CONSIDERED FOR NAVIGATION.
4. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS LOCATED AT PICKFORD, AND CHEBOYGAN MI. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION. THE DGPS RECEIVER IS MANUFACTURED BY STARLINK, INC. MODEL DNAV 212, SERIAL NO. 292. THIS IS A SINGLE FREQUENCY RECEIVER (C/A, L1 CODE) WITH ADVERTISED POSITIONAL ACCURACY OF 1-3 METERS RMS.
5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET. CROSS SECTIONS AND RANGES ARE REFERRED TO VIDAL SHOALS CHANNEL.
6. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 29.0' BELOW LOW WATER DATUM.




Sheet
reference
number:
VSC-04
Sheet 04 of 06

SOD AREA OFFICE
SAINT MARY'S RIVER
FEDERAL NAVIGATION CHANNEL

VIDAL SHOALS CHANNEL
SURVEY SECTION 04
C.S. 57+00 to C.S. 77+00
28.0'/29.0' STRIKE CHART

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS DETROIT, MICHIGAN	Surveyed by: J. M. ROZEK		Survey Date: MAY 16, 2007	Rev.
	Dwn by: J.S.M. Ckd by:		Design file name: Vscv104s0t1.dgn	
	Approval Recommended:	Reviewed by:		Drawing code:
	Area Eng. Sso Office	Chief, Operations		
	Approved by:	Submitted by:		File names Plot dates: 5-22-07 Plot scales: "1"=100'
District Engineer:	Chief, SMR Section			

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US Army Corps
of Engineers
Detroit District